

500

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/523,055
Source: PCT/10
Date Processed by STIC: 2/11/05

ENTERED



PCT

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/523,055

DATE: 02/11/2005
TIME: 16:20:19

Input Set : A:\seqlist.txt
Output Set: N:\CRF4\02112005\J523055.raw

4 <110> APPLICANT: BIEMANS, Ralph
 5 DENOEL, Philippe
 6 FERON, Christiane
 7 GORAJ, Carine
 8 JENNINGS, Michael Paul
 9 POOLMAN, Jan
 10 WEYNANTS, Vincent
 12 <120> TITLE OF INVENTION: VACCINE COMPOSITION COMPRISING
 LIPOOLIGOSACCHARIDE WITH REDUCED PHASE VARIABILITY
 13
 16 <130> FILE REFERENCE: B45309
 C--> 18 <140> CURRENT APPLICATION NUMBER: US/10/523,055
 19 <141> CURRENT FILING DATE: 2005-02-02
 21 <150> PRIOR APPLICATION NUMBER: PCT/EP03/008569
 22 <151> PRIOR FILING DATE: 2003-07-31
 24 <150> PRIOR APPLICATION NUMBER: GB 0218037.0
 25 <151> PRIOR FILING DATE: 2002-08-02
 27 <150> PRIOR APPLICATION NUMBER: GB 0218036.2
 28 <151> PRIOR FILING DATE: 2002-08-02
 30 <150> PRIOR APPLICATION NUMBER: GB 0218035.4
 31 <151> PRIOR FILING DATE: 2002-08-02
 33 <150> PRIOR APPLICATION NUMBER: GB 0218051.1
 34 <151> PRIOR FILING DATE: 2002-08-02
 36 <150> PRIOR APPLICATION NUMBER: GB 0220197.8
 37 <151> PRIOR FILING DATE: 2002-08-30
 39 <150> PRIOR APPLICATION NUMBER: GB 0220199.4
 40 <151> PRIOR FILING DATE: 2002-08-30
 42 <150> PRIOR APPLICATION NUMBER: GB 0225524.8
 43 <151> PRIOR FILING DATE: 2002-11-01
 45 <150> PRIOR APPLICATION NUMBER: GB 0225531.3
 46 <151> PRIOR FILING DATE: 2002-11-01
 48 <150> PRIOR APPLICATION NUMBER: GB 0230164.6
 49 <151> PRIOR FILING DATE: 2002-12-24
 51 <150> PRIOR APPLICATION NUMBER: GB 0230168.7
 52 <151> PRIOR FILING DATE: 2002-12-24
 54 <150> PRIOR APPLICATION NUMBER: GB 0230170.3
 55 <151> PRIOR FILING DATE: 2002-12-24
 57 <150> PRIOR APPLICATION NUMBER: GB 0305028.3
 58 <151> PRIOR FILING DATE: 2003-03-05
 62 <160> NUMBER OF SEQ ID NOS: 13
 64 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 66 <210> SEQ ID NO: 1
 67 <211> LENGTH: 25
 68 <212> TYPE: DNA

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69 <213> ORGANISM: Artificial Sequence
71 <220> FEATURE:
72 <223> OTHER INFORMATION: primer
74 <400> SEQUENCE: 1 25
75 cctttagtca gcgtattgtat ttgcg
77 <210> SEQ ID NO: 2
78 <211> LENGTH: 39
79 <212> TYPE: DNA
80 <213> ORGANISM: Artificial Sequence
82 <220> FEATURE:
83 <223> OTHER INFORMATION: primer
85 <400> SEQUENCE: 2 39
86 atcgggtgcgc gcaatataatt ccgactttgc caatttc
88 <210> SEQ ID NO: 3
89 <211> LENGTH: 25
90 <212> TYPE: DNA
91 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: primer
96 <400> SEQUENCE: 3 25
97 cgatgtatgtt gtcgtttt tccat
99 <210> SEQ ID NO: 4
100 <211> LENGTH: 22
101 <212> TYPE: DNA
102 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: primer
107 <400> SEQUENCE: 4 22
108 atgaagtcga aaatagacat tg
110 <210> SEQ ID NO: 5
111 <211> LENGTH: 27
112 <212> TYPE: DNA
113 <213> ORGANISM: Artificial Sequence
115 <220> FEATURE:
116 <223> OTHER INFORMATION: primer
118 <400> SEQUENCE: 5 27
119 atctgcgggc ggcggcgcga cttggat
121 <210> SEQ ID NO: 6
122 <211> LENGTH: 32
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: primer
129 <400> SEQUENCE: 6 32
130 gaattcggat ccaactgatt gtggcgcatt cc
132 <210> SEQ ID NO: 7
133 <211> LENGTH: 45
134 <212> TYPE: DNA
135 <213> ORGANISM: Artificial Sequence

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137 <220> FEATURE:
138 <223> OTHER INFORMATION: primer
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141 tgccgtctga agacttcaga cggcttatac ggatgccagc atgtc 45
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144 <211> LENGTH: 11
145 <212> TYPE: DNA
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: primer
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152 cggccggcc c
154 <210> SEQ ID NO: 9
155 <211> LENGTH: 20
156 <212> TYPE: DNA
157 <213> ORGANISM: Artificial Sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: primer
162 <400> SEQUENCE: 9 20
163 aaccgttttc ctattccat
165 <210> SEQ ID NO: 10
166 <211> LENGTH: 21
167 <212> TYPE: DNA
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: primer
173 <400> SEQUENCE: 10 21
174 caccgatatg cccgaactct a
176 <210> SEQ ID NO: 11
177 <211> LENGTH: 18
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: primer
184 <400> SEQUENCE: 11 18
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187 <210> SEQ ID NO: 12
188 <211> LENGTH: 680
189 <212> TYPE: DNA
190 <213> ORGANISM: Neisseria meningitidis
192 <400> SEQUENCE: 12
193 atgaagtc aatagacat tgcaaccagg aacttcaaac acggcgccgg cacggAACGC 60
194 tacacattgg atttggtaaa gggctgaac agacaaaaca tcacaccggc cgtttatgcg 120
195 acgaaatttg atcacggcat tcctgaatac gccatgatcg aaccatct tgcgatcaa 180
196 caccggacgc tggaaaaact acgccattc ctctttcaa gccgctcac tcaaaccaga 240
197 aaaaacagtg ccccaaaact gattgcgc caccacgccc attacgccc cctcctcatac 300
198 tgcggccggca cacacttggg ctacctgcac catatggcgc aaaaaccgaa cctgctcgac 360
199 cgcctcgcca tacgcccgtaa cccgcaac tacgcccacgg cccaaactgtat tggcgcat 420
200 tcccatatga tgcgggtgcga actgggtcgat ctgtacggcg ttccccctga aagaatccaa 480

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201 gtcgcccccc ccccccaga tacggAACgc ttcttcccgc aaccggaga agctgccgac 540
202 ctgcgcgcca aatacggctt tgccgactat gaaaccgtt tcctgttccc atcgaccggc 600
203 cacacgcgca aaggcttgga actgcttgcc gacttttcg aacataccgg cctgcccgtc 660
204 aagctcgccg ttgtcggtc 680
206 <210> SEQ ID NO: 13
207 <211> LENGTH: 680
208 <212> TYPE: DNA
209 <213> ORGANISM: Artificial Sequence
211 <220> FEATURE:
212 <223> OTHER INFORMATION: Neisseria meningitidis strain MC58 mutant "fixed"
213 1gtG open reading frame
215 <400> SEQUENCE: 13
216 atgaagctca aaatagacat tgcaaccaac aacttcaaac acggcgccg cacggAACgc 60
217 tacacattgg atttggtaaa gggtctgaac agacaaaaca tcacaccggc cgtttatgcg 120
218 acgaaatttg atcacggcat tcctgaatac gccatgatcg aaccccatct tgtcgatcaa 180
219 caccggacgc tgaaaaact acgcccattc ctctttcaa gccggctcac tcaaaccaga 240
220 aaaaacagtg ccgccaaact gattgcctgc caccacgccc attacggca cttcctcatc 300
221 tgcggccgca cacacttggg ctacctgcac catatggcgc aaaaaccgaa cctgctcgac 360
222 cgcctcgcca tacgcccgtaa ccgcagcaac tacgcccaccg ccaaactgat tatggcgcat 420
223 tcccatatga tgcgggtcgca actgggtcgga ctgtacggcg ttccccctga aagaatccaa 480
224 gtcgcgcgcg cgcggcaga tacggAACgc ttcttcccgc aaccggaga agctgccgac 540
225 ctgcgcgcca aatacggctt tgccgactat gaaaccgtt tcctgttccc atcgaccggc 600
226 cacacgcgca aaggcttgga actgcttgcc gacttttcg aacataccgg cctgcccgtc 660
227 aagctcgccg ttgtcggtc 680

VERIFICATION SUMMARY

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L:18 M:270 C: Current Application Number differs, Replaced Current Application Number